



PRESTONE POWER STEERING FLUID MSDSP020

SECTION 1: IDENTIFICATION

PRODUCT NAME: PRESTONE Power Steering Fluid
AS261, AS266
Formula: 61-248

MANUFACTURER: Prestone Products Corporation
39 Old Ridgebury Road
Danbury, CT 06810-5109

INFORMATION PHONE NUMBER: (203) 830-7800

EMERGENCY PHONE NUMBER: CHEMTREC 1-800-424-9300
483-7161 in the District of Columbia

MSDS DATE OF PREPARATION/REVISION: 04/30/99

SECTION 2: PRODUCT COMPONENTS

HAZARDOUS COMPONENTS	CAS#	PERCENT	EXPOSURE LIMITS
Refined Petroleum	64741-88-4	98-100	5 mg/m3 TWA OSHA PEL
Distillates	64741-39-5		5 mg/m3 TWA ACGIH TLV
	64742-65-0		
	64742-55-8		
	64742-54-7		
	72623-87-1		
Proprietary Additive	Proprietary	0-2	5 mg/m3 TWA OSHA PEL
			5 mg/m3 TWA ACGIH TLV

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Amber liquid with a mild petroleum odor. May cause mild transient eye and skin irritation. High pressure injection may cause tissue damage. Get immediate medical attention. Breathing high vapor concentrations may cause headache, dizziness, drowsiness or lung irritation. If the product is swallowed, there is a slight chance aspiration may occur resulting in lipid pneumonitis.

POTENTIAL HEALTH EFFECTS:

ACUTE HAZARDS:

INHALATION: Inhalation of the product is unlikely with normal use. Prolonged exposure to mists or vapors in a poorly ventilated areas may result in dizziness, drowsiness, headache, nausea and in extreme cases, lipid pneumonitis.

SKIN CONTACT: Contact may cause may cause slight reddening and irritation. High pressure injection of this product through the skin may cause possible extensive tissue damage resulting in loss of a



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finger, hand or arm. There may be no sign of initial injury or pain.

EYE CONTACT: Direct eye contact may result in mild inflammation or irritation.

INGESTION: Ingestion of this product is not expected to result in any acute systemic toxic effects. If more than several mouthfuls are swallowed, abdominal discomfort, belching, nausea and diarrhea may occur. There is a slight chance aspiration into the lungs during ingestion or vomiting following ingestion may result in lipid pneumonitis.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Prolonged or repeated skin contact may aggravate an existing skin condition such as acne, seborrhea or dermatitis.

CARCINOGEN: None of the components is listed as a carcinogen or potential carcinogen by IARC, NTP or OSHA.

CHRONIC HAZARDS: Prolonged or repeated skin contact may remove skin oil, leading to possible skin irritation or dermatitis.

SECTION 4: FIRST AID MEASURES

INHALATION: If symptoms of exposure develop, remove to fresh air. If breathing becomes difficult, administer oxygen. Administer artificial respiration if breathing has stopped. Seek immediate medical attention.

SKIN CONTACT: Remove contaminated clothing. Wash all affected and exposed areas with soap and water. If skin irritation or redness develops and persists, seek medical attention. High pressure injection of this product through the skin is a medical emergency. This product must be removed completely from under the skin. Seek immediate medical attention.

EYE CONTACT: Exposed eyes should be immediately flushed with copious amounts of water using a steady stream for a minimum of 15 minutes. If irritation, pain, swelling or tearing persist, seek medical attention.

INGESTION: If swallowed, get immediate medical attention by calling an emergency room or poison control center. Do not make the person vomit. If medical advice cannot be obtained, then take the person and product to the nearest medical emergency center or hospital. If vomiting occurs spontaneously, keep head below hips to prevent aspiration into the lungs. Never give anything by mouth to a person who is unconscious or drowsy.

NOTES TO PHYSICIAN: There is no specific antidote. The petroleum oil and other ingredients in this product are unlikely to produce systemic symptoms following accidental ingestion. Upon ingestion, there is a slight risk of aspiration into the lungs which can lead to pneumonitis and non-cardiogenic pulmonary edema. Do not induce vomiting. If

aspiration is suspected the patient should be observed for sign of lung injury. Treatment should be directed at the control of symptoms and clinical conditions. Subcutaneous or intramuscular injection requires prompt surgical debridement. There may be no signs of injury or pain initially. Failure to provide immediate treatment may result in extensive necrosis.

SECTION 5: FIRE AND EXPLOSION DATA

FLASH POINT: 414 F (212 C) CC

AUTOIGNITION TEMPERATURE: Not Determined

FLAMMABILITY LIMITS: LEL: Not Determined UEL: Not Determined

EXTINGUISHING MEDIA: Use water fog, foam, carbon dioxide or dry chemical. Cool fire exposed containers with water. Water may cause frothing. Avoid spraying water directly into containers.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored.

UNUSUAL FIRE HAZARDS: Keep away from excessive heat and open flames. Material may be ignited by sparks and flames.

HAZARDOUS COMBUSTION PRODUCTS: Burning may produce carbon monoxide, carbon dioxide and oxides of sulfur, phosphorous and zinc.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Eliminate all ignition sources. Wear appropriate protective clothing and equipment (See Section 8). Recover free product by pumping or collect with absorbent material and place in appropriate, labeled container for disposal. Keep out of sewers, watercourses and low areas.

SECTION 7: HANDLING AND STORAGE

Avoid contact with eyes.

Avoid prolonged and repeated contact with skin and clothing.

Avoid breathing vapors or mists.

Use with adequate ventilation.

Wash exposed skin with soap and water after use.

Keep container away from excessive heat and open flames.

Keep containers closed when not in use.

Store in a cool, dry area.

Empty containers retain product residue and may be hazardous. Do not cut, weld, drill, etc. containers, even empty. Do not reuse empty containers unless properly cleaned.



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: General ventilation is adequate for normal use. For operations where the TLV for oil mist may be exceeded, forced ventilation such as local exhaust is required to maintain exposures below the occupational exposure limits.

RESPIRATORY PROTECTION: None needed under normal use conditions. For operations where the TLV for oil mist may be exceeded, a NIOSH/MSHA approved respirator with an organic vapor cartridge and a dust/mist prefilter or supplied air respirator is recommended. Equipment selection depends on contaminant type and concentration. Select in accordance with 29 CFR 1910.134 and good industrial hygiene practice. For firefighting, use self-contained breathing apparatus.

GLOVES: Use nitrile gloves where prolonged skin contact may occur.

EYE PROTECTION: Safety glasses with sideshields or chemical splash goggles are recommended if splashing is anticipated.

OTHER PROTECTIVE EQUIPMENT/CLOTHING: Appropriate protective clothing as needed to minimize skin contact.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Light amber liquid, mild petroleum odor.

pH: N/A	SPECIFIC GRAVITY: 0.87
BOILING POINT (F): Not determined	VAPOR PRESSURE: $\sim 1 \times 10^{-5}$
FREEZING POINT (F): N/A	VAPOR DENSITY: Greater than 1
SOLUBILITY IN WATER: Negligible	EVAPORATION RATE: Less than 1
PERCENT VOLATILE: Negligible	(Butyl Acetate =1)
VISCOSITY: 237 SUS @100 F	

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: Avoid exposure to excessive heat and open flames.

INCOMPATIBILITY: Strong oxidizing agents, acids and caustics.

HAZARDOUS DECOMPOSITION PRODUCTS: Combustion will product carbon monoxide, oxides of sulfur, phosphorous and zinc.

HAZARDOUS POLYMERIZATION: Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

Refined Petroleum Oils: Oral rat LD50: >5 g/kg
Inhalation rat LC50: >5,000 mg/m³/4 hr.

SECTION 12: ECOLOGICAL INFORMATION



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No ecotoxicity data is available for this product or its components at this time.

SECTION 13: DISPOSAL INFORMATION

Recycle, incinerate or landfill in accordance with all local, state/provincial and federal regulations.

SECTION 14: TRANSPORT INFORMATION

U.S. DOT HAZARD CLASSIFICATION

PROPER SHIPPING NAME: Not regulated
TECHNICAL NAME: N/A
UN NUMBER: N/A
HAZARD CLASS/PACKING GROUP: N/A
LABELS REQUIRED: N/A

DOT MARINE POLLUTANTS: This product does not contain Marine Pollutants as defined in 49 CFR 171.8.

IMDG CODE SHIPPING CLASSIFICATION

DESCRIPTION: Not Regulated

ID NUMBER: N/A
HAZARD CLASS: N/A
PACKING GROUP: N/A
LABELS REQUIRED: N/A
PLACARDS REQUIRED: N/A

SECTION 15: REGULATORY INFORMATION

EPA SARA 311/312 HAZARD CLASSIFICATION: Not applicable

EPA SARA 313: This Product Contains the Following Chemicals
Subject to Annual Release Reporting Requirements Under SARA Title III,
Section 313 (40 CFR 372): None

PROTECTION OF STRATOSPHERIC OZONE: This product is not known to contain or to have been manufactured with ozone depleting substances as defined in 40 CFR Part 82, Appendix A to Subpart A.

CERCLA SECTION 103: This product is not subject to CERCLA reporting requirements, however, oil spills are reportable to the National Response Center under the Clean Water Act and many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

CALIFORNIA PROPOSITION 65 - This product does not contain chemicals



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regulated under California Proposition 65.

EPA TSCA INVENTORY: All of the components of this material are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

SECTION 16: OTHER INFORMATION

NFPA RATING (NFPA 704) - FIRE: 1
HEALTH: 0
REACTIVITY: 0

This MSDS is directed to professional users and bulk handlers of the product. Consumer products are labeled in accordance with Federal Hazardous Substances Act regulations.

While Prestone Products Corporation believes that the data contained herein are factual and the opinions expressed are those of qualified experts regarding the results of tests conducted, the data are not to be taken as a warranty or representation for which Prestone Products Corporation assumes legal responsibility. They are offered for your consideration, investigation and verification. Any use of these data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.

If more information is needed, please contact:

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